

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): Janne Parantainen

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ART UNIT: 2634

FILING DATE: June 15, 200

EXAMINER: Chieh M. Fan

TITLE: **METHOD AND ARRANGEMENT FOR CHOOSING A CHANNEL  
CODING AND INTERLEAVING SCHEME FOR CERTAIN  
TYPES OF PACKET DATA CONNECTIONS**

ATTORNEY

DOCKET NO.: 297-009504-US(PAR)

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REPLY TO EXAMINER'S ANSWER

Sir:

This is in response to the Examiner's Answer, mailed July 27, 2005.

**[1] Argument**

The cited reference Kronestedt teaches the use of measured information in selecting modulation and channel coding modes. This is indicated at column 4, lines 29-34, as follows:

"The filtered (i.e., composite) cell quality measurement information is then applied to a mode selector 24. The mode selector 24 receives the filtered quality measurement values and,

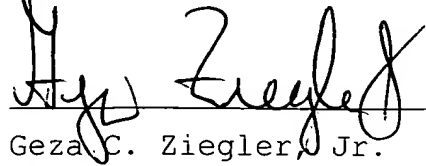
**based on the filtered measurement values, selects a modulation and channel coding mode from a plurality of possible modes."**

The Examiner appears to equate such measured values with "QoS Parameters". QoS parameters are not measured values. QoS parameters are used on the session/connection management layer, high above the physical layer in the protocol stack, to describe the requirements of the connection, e.g., in GPRS/UMTS PDP context, the setup message contains the QoS profile. In the subject invention these parameters are linked directly to the used channel coding. In this way, for a particular class of connections (or applications, such as VoIP), certain types of channel coding would be used. This is not described in the cited art.

The reference Kronestedt teaches a method to relate composite link quality measurement information with channel coding. This is a variant of normal link adaptation where measurement information is used for making decisions on how strong coding should be used. In Kronestedt this is done for a multitude of links on the cell level.

Applicant submits, therefore, that the cited reference does not support the Examiner's position.

Respectfully submitted,

  
Geza C. Ziegler, Jr.

27 Sept 2005  
Date

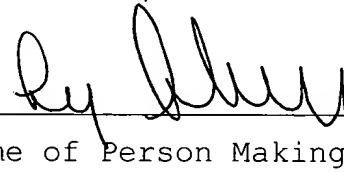
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